

LIST OF CONTENTS

NUMBER 1/2

- | | | |
|--|----|---|
| | i | Softstrip® computer-readable data strip containing the table of contents of this issue of <i>Computers & Electrical Engineering</i> |
| P. D. Stigall and Saeed Azimi | 1 | Optimization of a topologically tree-based local area network |
| P. D. Stigall and Saeed Azimi | 11 | Queuing analyses of a topologically tree-based local area network |
| Udai Garg and Yo-Ping Huang | 29 | Improving the performance of banyan networks |
| Michael Andrews and Foo Lam | 35 | Architectural directions for microsequencers |
| K. Y. Srinivasan and A. K. Sood | 43 | Design of highly reliable tree architectures |
| Rajiv Sharma and T. N. Rajashekhara | 53 | Fault analysis and a unified design of PLAs for easy testability |
| | I | Software Survey Section |

NUMBER 3/4

- | | | |
|--|-----|---|
| | i | Softstrip® computer-readable data strip containing the table of contents of this issue of <i>Computers & Electrical Engineering</i> |
| Bidyut Gupta, Bhargab B. Bhattacharya and Gopal C. Basu | 65 | Testable design of two-dimensional cellular logic arrays for detecting stuck-at and bridging faults |
| Sajal K. Das, Vinod K. Agrawal, Dilip Sarkar and Lalit M. Patnaik | 75 | Invariant-preserving Petri net reduction and conditions for invariant-existence |
| Mohamed Mostafa Saied and Abdullah S. Al-Fuhaid | 93 | A computer relaying algorithm for direct determination of the fault distance |
| A. K. Sood, S. Akhtar and K. Y. Srinivasan | 105 | An extended token bus protocol for embedded networks |
| Balbir S. Dhillon and Subramanyam N. Rayapati | 125 | Reliability modelling of redundant computer systems with common-cause failures |
| A. B. Ektare and Maki K. H. Al-Sheakhly | 137 | Function symmetries and decoded-PLA realization |
| | I | Software Survey Section |